

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	6	((“6243683”) or (“5185803”) or (“4449238”) or (“6748088”) or (“6496581”) or (“4965833”)).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 21:25
S3	0	juergen.in. and vehicle and communicaiton and voice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 19:53
S4	0	volkswagen.AS. and vehicle and communicaiton and voice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 19:55
S5	0	schultz.in. and vehicle and communicaiton and voice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 19:53
S6	23	schultz.in. and vehicle and communication and voice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 16:54
S7	7	(“4965833”   “5627899”   “5644641”   “5699480”   “5893056”   “5920834”   “6098040”).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 19:55
S8	6	volkswagen.AS. and vehicle and communication and voice	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 19:55
S9	12	(“5366241”   “5539859”   “5600727”   “5602962”   “5715319”   “5748748”   “5787183”   “5829782”   “6192134”   “6529608”   “6600824”   “6618485”).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/03 19:59
S10	35	mcgregor and voice and enhanc§3 and (car vehicle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 21:47
S12	6	((“6243683”) or (“5185803”) or (“4449238”) or (“6748088”) or (“6496581”) or (“4965833”)).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 21:25
S13	2	S12 and delay	USPAT	OR	OFF	2007/02/03 21:44
S14	2	WO-9949698-\$.dld.	USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/03 21:27

S15	0	S12 and display\$3	USPAT	OR	OFF	2007/02/03 21:47
S16	20	schultz.in. and vehicle and communication and voice and display\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 21:45
S17	15	mcgregor and voice and enhanc\$3 and (car vehicle) and LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/03 21:47
S18	0	S12 and LED	USPAT	OR	OFF	2007/02/03 21:47
S19	906	(381/86).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:00
S20	1	S19 and (voice near3 (recognit\$4 activat\$4)) and (seating near3 positions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:01
S21	5	S19 and voice and (seating near3 positions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:03
S22	0	S19 and (rotary same (seating near3 positions))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:15
S23	20	vehicle same (rotary display LED) same (seating near3 positions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:06
S24	5	("4908611"   "5736827"   "6181996"   "6281804"   "6325436").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/04 16:05
S25	7	vehicle same (seating near3 positions near4 detect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:14
S26	9	(vehicle car automobile) same (seating near3 positions near4 detect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:17
S27	13	(vehicle car automobile) and (seating near3 positions near4 detect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/04 16:17
S28	6	((("6243683") or ("5185803") or ("4449238") or ("6748088") or ("6496581") or ("4965833")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/05 13:13

S29	1	schultz.in. and vehicle and communication and voice and (weight same level\$1 same transmitter\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 16:56
S30	16	schultz.in. and vehicle and communication and voice and (weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:03
S31	9	schultz.in. and vehicle and communication and voice and (display\$3 same position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:03
S32	1	"381"/\$.cls. and (activat\$3 (turn \$3 near2 on)) with only with microphone with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:18
S33	1	"381"/\$.cls. and (activat\$3 (turn \$3 near2 on)) with (exclusive\$2 only solely just alone) with microphone with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:18
S34	1	(activat\$3 (turn\$3 near2 on)) with (exclusive\$2 only solely just alone) with microphone with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:19
S35	3	(activat\$3 trigger actuate (turn\$3 near2 on)) with (exclusive\$2 only solely just alone) with microphone with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:20
S36	10	"381"/\$.cls. and (activat\$3 trigger actuate (turn\$3 near2 on)) with (exclusive\$2 only solely just alone) with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:22
S37	622	(activat\$3 trigger actuate (turn\$3 near2 on)) with (exclusive\$2 only solely just alone) with (highest larg\$3 great\$3) with (level gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 17:40
S38	155	vehicle same ((display LEDs) with (seat\$3 near2 position\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 18:05
S39	48	vehicle same ((display LEDs) with (position\$1 with microphone\$1 with \$4speak\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:31
S40	7	("20030122782"   "20040204623"   "20050055154"   "6181996"   "6356812"   "6717287"   "6801852").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/18 18:17

S41	5	("4908611"   "5736827"   "6181996"   "6281804"   "6325436").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2007/10/18 18:54
S42	25	"3755625"	US-PGPUB; USPAT; USOOR	OR	OFF	2007/10/18 18:55
S43	1	("3755625").PN.	USPAT	OR	OFF	2007/10/18 18:55
S44	10019	vehicle and ((display\$3 LEDs) with (microphone\$1 \$4speak\$3 (seat near2 position\$1)))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:33
S45	5853	vehicle and ((display\$3 LEDs) near4 (microphone\$1 \$4speak\$3 (seat near2 position\$1)))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:33
S46	1804	vehicle same ((display\$3 LEDs) near4 (microphone\$1 \$4speak\$3 (seat near2 position\$1)))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:33
S47	1167	vehicle same ((display\$3 LEDs) with (location position) with (microphone\$1 \$4speak\$3 (seat \$1)))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:35
S48	82	vehicle same ((display\$3 LEDs) near3 (location position) near3 (microphone\$1 \$4speak\$3 (seat \$1)))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2007/10/18 19:35
S49	975	(381/86).COLS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/04/09 18:18
S50	896	(381/91,92).COLS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/04/09 18:18
S51	1066	(381/86).COLS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2009/06/07 16:10
S52	1019	(381/91,92).COLS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2009/06/07 16:10
S53	1	schultz.in. and vehicle and communication and voice and (attenuat\$3 near20 amplif\$3 near20 weight\$3)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2009/06/07 16:31
S54	1	schultz.in. and vehicle and communication and voice and (attenuat\$3 near20 amplif\$3 near20 weight\$3)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2009/06/07 16:31
S55	2	("6535609" or ("7415116")).PN.	USPAT; USOOR	OR	OFF	2009/06/07 16:58

S56	118	381/86,91,92,111,122.ccls. and (weight\$3 near10 microphone\$1 near10 (signal\$1 level\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/07 17:04
S57	2804	(381/86,91,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:03
S58	7	381/86,91,92,111,122.ccls. and (weight\$3 near10 microphone\$1 near10 (signal\$1 level\$1) near10 (amplif\$6 attenuat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:13
S59	0	381/86,91,92,111,122.ccls. and ((amplif\$6 attenuat\$3) near10 (signal\$1 level\$1) near10 (sensor \$1 microphone\$1) near10 (accord \$3 depend\$4) near10 weight\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:17
S60	0	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near10 (signal\$1 level \$1) near10 (sensor\$1 microphone \$1) near10 (accord\$3 depend\$4) near10 weight\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:18
S61	0	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near10 (sensor\$1 microphone\$1) near10 (accord\$3 depend\$4) near10 weight\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:18
S62	0	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4) near20 weight\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:19
S63	5	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4) near20 (coefficient emphasis weight\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:27
S64	1	schultz.in. and vehicle and communication and voice and (attenuat\$3 near20 amplif\$3) and weight\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:32
S65	10	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4) near20 (factor coefficient emphasis weight\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/17 22:33
S66	5	"379"/\$.ccls. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4) near20 (factor coefficient emphasis weight\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/18 11:16
S67	27	"381"/\$.ccls. and ((amplif\$6 attenuat\$3) near20 (level) near20 (accord\$3 depend\$4) near20 (factor coefficient emphasis weight \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/18 12:58

S68	20	"381"/\$.cols. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4 based) near20 (factor coefficient emphasis weight\$3))	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2009/06/18 13:00
S70	1	("4449238").PN.	USPAT; USOGR	OR	OFF	2009/12/04 15:31
S71	2902	(381/86,91,92,111,122).CCLS.	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2009/12/04 16:31
S72	22	"381"/\$.cols. and ((amplif\$6 attenuat\$3) near20 (sensor\$1 microphone\$1) near20 (accord\$3 depend\$4 based) near20 (factor coefficient emphasis weight\$3))	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2009/12/04 16:31
S73	16	schultz.in. and vehicle and communication and voice and selectively	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/06/07 08:34
S74	0	"381"/\$.cols. and (selective\$2 near10 amplif\$6 near10 attenuat \$3) near20 (sensor\$1 microphone \$1) near20 (accord\$3 depend\$4 based) near20 (factor coefficient emphasis weight\$3)	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/06/07 08:39
S75	4	"381"/\$.cols. and (selective\$2 near10 amplif\$6 near10 attenuat \$3) near20 (sensor\$1 microphone \$1)	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/06/07 08:41
S76	46	"381"/\$.cols. and (sensor\$1 microphone\$1) near10 delay\$1 near10 (propagation near5 time)	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/06/07 08:45
S77	1	("7280583").PN.	USPAT; USOGR	OR	OFF	2010/06/07 08:58
S78	90	"381"/\$.cols. and (microphone\$1) near10 (selective\$2 alternative\$2) near10 (attenuat\$3 amplify\$3 reduc\$3)	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/09/07 16:29
S79	1	("4965833").PN.	USPAT; USOGR	OR	OFF	2010/09/07 16:42
S80	4	(microphone\$1) near10 vehicle near10 (selective\$2 alternative\$2) near10 (attenuat\$3 amplify\$3 reduc\$3)	US_PGPUB; USPAT; USOGR; FPRS; EPO; JPO	OR	OFF	2010/09/07 17:27
S81	1	("6424720").PN.	USPAT; USOGR	OR	OFF	2010/09/07 18:38

**EAST Search History (Interference)**

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